

Date: Sat, 15 May 93 04:30:02 PDT  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #135  
To: packet-radio

Packet-Radio Digest                      Sat, 15 May 93                      Volume 93 : Issue 135

Today's Topics:

                    7Plus wanted  
                    check in ax25 protocol ?  
                    GEOMAGNETIC MEASUREMENTS (2 msgs)  
                    The Poop on BNC Feedthru Adapters (3 msgs)

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 12 May 93 10:38:16 GMT  
From: uchinews!linac!pacific.mps.ohio-state.edu!math.ohio-state.edu!  
zaphod.mps.ohio-state.edu!howland.reston.ans.net!ira.uka.de!sbusol.rz.uni-sb.de!  
coli.uni-sb.de!sol.cs.uni-sb.de!sinn@rsch.  
Subject: 7Plus wanted  
To: packet-radio@ucsd.edu

Hallo dr YL's and OM's

I am looking for the programm 7Plus for undecoding files from the BBS.  
I would be very glad if someone could told me where I could find this  
programm either for a PC or for the Amiga 500. Is it possible to use  
uudecode or an other UNIX-programm for this purpuse.

Many thanks in advance and 73

Markus Sinnwell, DF3VL  
Amselweg 2  
6637 Nalbach 3

E-Mail: sinn@sol.cs.uni-sb.de

-----  
Date: 13 May 93 16:36:12 GMT  
From: concert!news-feed-1.peachnet.edu!gatech!enterpoop.mit.edu!eru.mt.luth.se!  
kth.se!lysator.liu.se!pme@decwrl.dec.com  
Subject: check in ax25 protocol ?  
To: packet-radio@ucsd.edu

Hi!

I have some problem with TNC:s running with check flag on.  
My own software do not like to kommunikaate with them.  
When a "check" frame is recived i dont know how to handle.  
It is a supervisory frame, and i must send an ACK to a supervisory  
frame, BUT how do i know that it is a "check" frame and not  
a simple ACK ? IS it the FINAL/POLL flag or what ?  
Is look like the FINAL/POLL is set to ONE all the time, is that  
korrekt ?

/SM50HI, Peter

-----  
Date: 14 May 93 16:45:40 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!torn!  
csd.unb.ca!news@network.UCSD.EDU  
Subject: GEOMAGNETIC MEASUREMENTS  
To: packet-radio@ucsd.edu

In article <1993May14.141424@cs.bham.ac.uk> gxo@cs.bham.ac.uk (Giuseppe Olmi)  
writes:

>  
>  
>GEOMAGNETIC MEASUREMENTS  
>-----  
>  
>Does anybody know if there is an accessible service that provides  
>information on geomagnetic conditions on a daily basis? In particular  
>I am looking for K-index measurements. Is there any advanced 'weather  
>forecast' for geomagnetic disturbances, or does anyone have any  
>software to predict future disturbances (geomagnetic storms often recur in  
>with similar characteristics 28 days later due to the 28-day rotation  
>of the sun and the sunspots on its surface)?  
>  
>Preferably this service would be accessible by modem and PC.  
>  
>Many thanks,

>  
>Joe Olmi  
>Birmingham, UK.  
>

Would the following type of review and forecast be of use? It is provided on a daily basis directly from GSC via dial-up modem and is also posted to the e-mail based Canadian Space Geodesy Forum (CANSPACE). E-mail me for info on CANSPACE.

ENERGY MINES AND RESOURCES CANADA.  
GEOPHYSICS DIVISION, GEOLOGICAL SURVEY OF CANADA, OTTAWA

GEOMAGNETIC ACTIVITY FORECAST AND REVIEW, ISSUED AT 13:38 UT, 14- 5-93

		SUB-AURORAL ZONE	AURORAL ZONE	POLAR CAP
PRIOR DAY	12- 5-93	QUIET DRX = 19	ACTIVE DRX = 166	UNSETTLED DRX = 70
YESTERDAY	13- 5-93	QUIET DRX = 12	UNSETTLED DRX = 61	UNSETTLED DRX = 63
TODAY	14- 5-93	UNSETTLED	ACTIVE	UNSETTLED
FORECAST	15- 5-93	UNSETTLED	ACTIVE	UNSETTLED
FORECAST	16- 5-93	UNSETTLED	ACTIVE	UNSETTLED
FORECAST	17- 5-93	UNSETTLED	ACTIVE	UNSETTLED

Information: (613)837-3527, 08:00-16:30 Eastern Time, Mon.-Fri.(ex. hols.)

Richard B. Langley	Internet: LANG@UNB.CA or SE@UNB.CA
Geodetic Research Laboratory	BITnet: LANG@UNB or SE@UNB
Dept. of Surveying Engineering	Phone: (506) 453-5142
University of New Brunswick	FAX: (506) 453-4943
Fredericton, N.B., Canada E3B 5A3	Telex: 014-46202

-----  
Date: Fri, 14 May 1993 13:14:24 GMT  
From: pipex!uknet!bhamcs!percy!gxo@uunet.uu.net  
Subject: GEOMAGNETIC MEASUREMENTS  
To: packet-radio@ucsd.edu

## GEOMAGNETIC MEASUREMENTS

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Does anybody know if there is an accessible service that provides information on geomagnetic conditions on a daily basis? In particular I am looking for K-index measurements. Is there any advanced 'weather forecast' for geomagnetic disturbances, or does anyone have any software to predict future disturbances (geomagnetic storms often recur in with similar characteristics 28 days later due to the 28-day rotation of the sun and the sunspots on its surface)?

Preferably this service would be accessible by modem and PC.

Many thanks,

Joe Olmi  
Birmingham, UK.

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Date: Fri, 14 May 1993 00:08:39 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
ux1.cso.uiuc.edu!news.cso.uiuc.edu!uxa.cso.uiuc.edu!btbg1194@network.UCSD.EDU  
Subject: The Poop on BNC Feedthru Adapters  
To: packet-radio@ucsd.edu

### THE POOP ON BNC FEEDTHRU ADAPTERS

Thanks for all of the responses to my search for BNC feedthrus.  
I've got information and some neat suggestions to summarize:

- 1) BNC feedthrus *\*are\** available, but they are in such low demand that manufacturers (Amphenol, ...) charge \$40 each for them. (Sounds like market theory, right? :-)
- 2) Pasternack Enterprises of Irvine, CA *\*does\** sell them for \$10 each with a \$100 minimum order... so some enterprising hams might order 20 or so and head off to their next hamfest and try to sell them for \$15 or something. (Market them at packeteers, students, and HT mobile users.)
- 3) Clever ideas:
  - a) a combination BNC double jack/double plug

advantages: cheap \$3 each

disadvantages: about an inch longer than a feedthru would be...  
a longer lever arm for damaging your HT antenna  
jack should it make an unscheduled trip to the ground

b) a combination of two BNC right-angles \*\*\*

advantages: cheap \$3 each, allows you to turn the antenna up for  
operation and down to the \*side\* of the HT for  
storing in your backpack, etc. (Yes! they swivel)

disadvantage: adds a bit of horizontal dimension to the HT

c) other combination adapters

BNC to RCA phono, etc. ... depend on the availability of matching  
antenna plugs

d) request one or two from the manufacturer as samples

(I haven't tried this, but it is a pretty common thing in the  
electronics industry, I guess.)

73 de KB8CNE, Brad Banko  
Urbana, Illinois

--

Brad Banko; Dept of Physics; U of Illinois; b-banko@uiuc.edu

=====

See one. Do one. Teach one. 73 de kb8cne @ n9lnq.il

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Date: Fri, 14 May 1993 14:30:11 GMT

From: usc!howland.reston.ans.net!noc.near.net!squam.banyan.com!banyan.com!  
dts@network.UCSD.EDU

Subject: The Poop on BNC Feedthru Adapters

To: packet-radio@ucsd.edu

In article <C70rv2.MBs@news.cso.uiuc.edu>, jtg0707@uxa.cso.uiuc.edu (Jui Tien)  
writes:

|> btbgl194@uxa.cso.uiuc.edu (Bradley T Banko) writes:

|>

|> > b) a combination of two BNC right-angles \*\*\*

|>

|> > advantages: cheap \$3 each, allows you to turn the antenna up for

|> > operation and down to the \*side\* of the HT for

|> > storing in your backpack, etc. (Yes! they swivel)

|>  
|> >     disadvantage: adds a bit of horizontal dimension to the HT  
|> [stuff deleted.....]  
|>  
|> This does not work all that well. There is quite a bit of reflection  
|> back into the receiver. I stopped using it fearing it might damage the  
|> front end.

Would you care to elaborate on this? How is it that BNC right angles cause such reflections? How was this measured? Do other right angle adapters introduce such trouble?

Many locals do use the dual right angle approach to attaching their rubber duckies, and even more of us use BNC, N, and UHF right angles in our antenna systems. If there is a problem with using these devices, I'd be REAL interested to hear about it...

|> jtg0707@uxa.cso.uiuc.edu  
|>

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Daniel Senie                             Internet:       dts@banyan.com  
Banyan Systems, Inc.                    Compuserve:    74176,1347  
508-898-1188                            Packet Radio: N1JEB@WA1PHY.MA  
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Date: Fri, 14 May 1993 13:52:14 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!  
ux1.cso.uiuc.edu!news.cso.uiuc.edu!uxa.cso.uiuc.edu!jtg0707@network.UCSD.EDU  
Subject: The Poop on BNC Feedthru Adapters  
To: packet-radio@ucsd.edu

btbg1194@uxa.cso.uiuc.edu (Bradley T Banko) writes:

> b) a combination of two BNC right-angles   \*\*\*  
  
>     advantages: cheap \$3 each, allows you to turn the antenna up for  
>                operation and down to the \*side\* of the HT for  
>                storing in your backpack, etc. (Yes! they swivel)  
  
>     disadvantage: adds a bit of horizontal dimension to the HT  
[stuff deleted.....]

This does not work all that well. There is quite a bit of reflection  
back into the receiver. I stopped using it fearing it might damage the

front end.  
jtg0707@uxa.cso.uiuc.edu

-----  
Date: Thu, 13 May 1993 13:34:10 -0500  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sol.ctr.columbia.edu!  
news.kei.com!news.oc.com!utacfd.uta.edu!rwsys!ricksys!lawton!red.uucp!  
terry@network.UCSD.EDU  
To: packet-radio@ucsd.edu

References 930411.tar, &, 930411.txte  
Reply-To : terry%red@lawton.lonestar.org  
Subject : Re: pe1chl - 930411.tar & 930411.txt

In <H.\_ze0SfSUGFk@red.uucp>, Terrence R. Redding writes:  
>I have been experimenting with pe1chl 920218tc for about six months. I've  
>had it longer, but have only been able to use it for the last six months.  
>  
>I understand that there is an updated version out dated 930411 and that  
>it is available for FTP from ucsd.edu. I am using a FTPMAILSERVER to  
>request it and expect it will arrive in the next few days.

It seems kind of silly to update your own message, but then maybe not.

I tried the mailserver but was unable to get the files. The report said that they were not found. So I requested a list of the file area. They are there in ucsd.edu within the directory hamradio/packet/tcpip/incoming.

There are actually three files available for FTP. They are called:

pe1chl-930411.tar  
pe1chl-930411.txt  
pe1chl-930430tc.arc

I hope that helps those that are experimenting with ka9q nos on the Atari computer platforms. 73 Terry

--  
DOMAIN: terry%red@lawton.lonestar.org (Terrence R. Redding)  
UUCP: . . . !rwsys!lawton!red!terry (Terrence R. Redding)  
PACKET: WB5LMJ @ WB5MJS.OK.USA.NA  
Voice 405 536-8822, Ben's Place (Benjamin Franklin) BBS 536-6988 9p to 6a  
PhD candidate, University of Oklahoma in Adult and Higher Education  
Educational Advisor, American Radio Relay League  
221 SW Crystal Hills Drive, Lawton, Oklahoma 73505  
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End of Packet-Radio Digest V93 #135

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